

Converting Colors

$Y_{xy}(21.7980, 0.3134, 0.2626)$

Have a look what the booklet for
Yxy(21.7980, 0.3134, 0.2626)
contains.

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Color

Yxy(21.7980, 0.3134, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	9C739E
RGB	156, 115, 158
RGB Percent	61%, 45%, 62%
CMY	0.3882, 0.5490, 0.3803
CMYK	0.01, 0.27, 0.00, 0.38
HSL	297°, 18%, 54%
HSV	297°, 27%, 62%
XYZ	26.0148, 21.7980, 35.1956
YIQ	132.1610, 10.6330, 22.0650

Conversions

Conversions Part 2

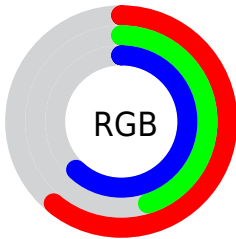
Format	Color
R _Y B	156, 115, 158
Decimal	10253214
CIE _{Lab}	53.81, 23.72, -16.89
CIE _{LCh}	54, 29.123, 324.545
Y _{xy}	21.7980, 0.3134, 0.2626
Android (android.graphics.Color)	4288443294 (0xFF9C739E)
YUV	132.1610, 12.7386, 20.9068
Hunter-Lab	46.6883, 17.7560, -12.0134

Details

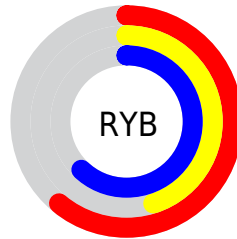
The Yxy color $21.7980, 0.3134, 0.2626$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.4837, 0.3111, 0.4046$, and the grayscale version is $23.0866, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.2904, 0.3135, 0.2754$, and $7.9010, 0.3115, 0.2387$ is the 20% darker color. If you saturate the color by 10%, you get $18.4248, 0.3134, 0.2384$, and if you desaturate by 10%, it is $25.7913, 0.3132, 0.2873$.

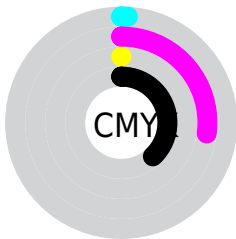
Distribution



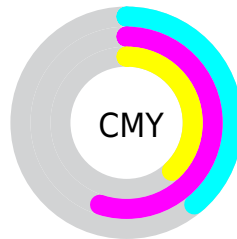
- Red (61%)
- Green (45%)
- Blue (62%)



- Red (61%)
- Yellow (45%)
- Blue (62%)



- Cyan (1%)
- Magenta (27%)
- Yellow (0%)
- Black (38%)




- Cyan (39%)
- Magenta (55%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7980, 0.3134, 0.2626 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.7980, 0.3134, 0.2626 by changing the saturation by 10% instead.


 21.7980, 0.3134,
0.2626


 21.7980, 0.3134,
0.2626


261.4896, 0.3137,
0.2982


 13.7085, 0.3130,
0.2529


 46.4119, 0.3137,
0.2761


 7.9182, 0.3123,
0.2399


 63.7052, 0.3138,
0.2810

 4.0427, 0.3109,
0.2218

 84.8351, 0.3138,
0.2851

 1.6975, 0.3078,
0.1948

 110.1862, 0.3138,
0.2885

 0.4220, 0.3067,
0.1310

140.1428, 0.3138,
0.2915

 0.0000, 0.0000,
0.0000

175.0893, 0.3138,

0.2940

215.4101, 0.3137,
0.2962

■ 21.7980, 0.3134,
0.2626

■ 21.7980, 0.3134,
0.2626

■ 18.4248, 0.3134,
0.2384

■ 25.7913, 0.3132,
0.2873

■ 15.6375, 0.3132,
0.2156

■ 30.4313, 0.3130,
0.3118

■ 13.4025, 0.3129,
0.1950

■ 35.7461, 0.3126,
0.3355

■ 11.6823, 0.3123,
0.1777

■ 41.7617, 0.3122,
0.3579

■ 10.4340, 0.3116,
0.1641

■ 48.5026, 0.3117,
0.3788

■ 9.6083, 0.3107,
0.1547

■ 55.9919, 0.3112,
0.3982

■ 9.1255, 0.3096,
0.1491

■ 64.2520, 0.3107,
0.4159

■ 9.0107, 0.3093,
0.1478

■ 73.3041, 0.3102,
0.4320

■ 81.7430, 0.3099,
0.4446

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.7980, 0.2643, 0.2471



21.7980, 0.3134, 0.2626



21.7980, 0.3664, 0.2926

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.7980, 0.3134, 0.2626



21.7980, 0.3982, 0.4076



21.7980, 0.2273, 0.3152

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.7980, 0.3134, 0.2626



29.4837, 0.3111, 0.4046

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.7980, 0.2582, 0.3681



21.7980, 0.3134, 0.2626



21.7980, 0.3566, 0.4243

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.7980, 0.3134, 0.2626



21.7980, 0.4173, 0.3727



21.7980, 0.3051, 0.4107



21.7980, 0.2179, 0.2727

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.7980, 0.3134, 0.2626



21.7980, 0.3953, 0.3179



21.7980, 0.3051, 0.4107



21.7980, 0.2353, 0.3325

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.7989, 0.3134, 0.2626



54.4106, 0.3130, 0.3095



18.8717, 0.2671, 0.2569



11.9796, 0.3130, 0.3060



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7989, 0.3134, 0.2626



35.5170, 0.3134, 0.2470



21.3871, 0.3390, 0.2915



6.7387, 0.3130, 0.3069



7.2189, 0.3094, 0.1478



0.1334, 0.3144, 0.1505

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.8176, 0.3670, 0.3259



33.4300, 0.3851, 0.3251



29.8387, 0.2929, 0.3699



6.6509, 0.3277, 0.3280



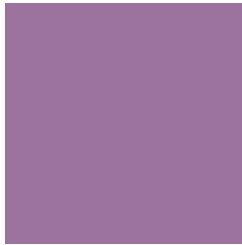
5.8365, 0.6334, 0.3263



0.1057, 0.6024, 0.3092

Previews

White Background



This preview shows how the Yxy color 21.7980, 0.3134, 0.2626 looks on a white background.

Color Contrast Check

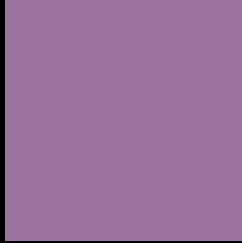
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.7980, 0.3134, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.7980, 0.3134, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 21.7980, 0.3134, 0.2626.



This preview shows how white text looks on a background with the Yxy color 21.7980, 0.3134, 0.2626.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.7980, 0.3134, 0.2626

Protanopia

21.8907, 0.2650, 0.2616

Deuteranopia

21.9112, 0.2839, 0.2781



Tritanopia

21.7200, 0.3410, 0.3126

Trichromacy



Original Color

21.7980, 0.3134, 0.2626

Protanomaly

21.7518, 0.2802, 0.2616

Deuteranomaly

21.7567, 0.2936, 0.2715

Tritanomaly

21.6226, 0.3305, 0.2935

Monochromacy



Original Color

21.7980, 0.3134, 0.2626

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.5075, 0.3139, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7980, 0.3134, 0.2626 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 115, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 115, 158)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 115, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 115, 158) }
```

Border

The CSS property to change the border of an element to Yxy 21.7980, 0.3134, 0.2626 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 115, 158) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(156, 115, 158) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(156, 115, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 115, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 115, 158);  
box-shadow:4px 4px 4px 4px rgb(156, 115,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7980, 0.3134, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 115, 158) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156,  
115, 158) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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